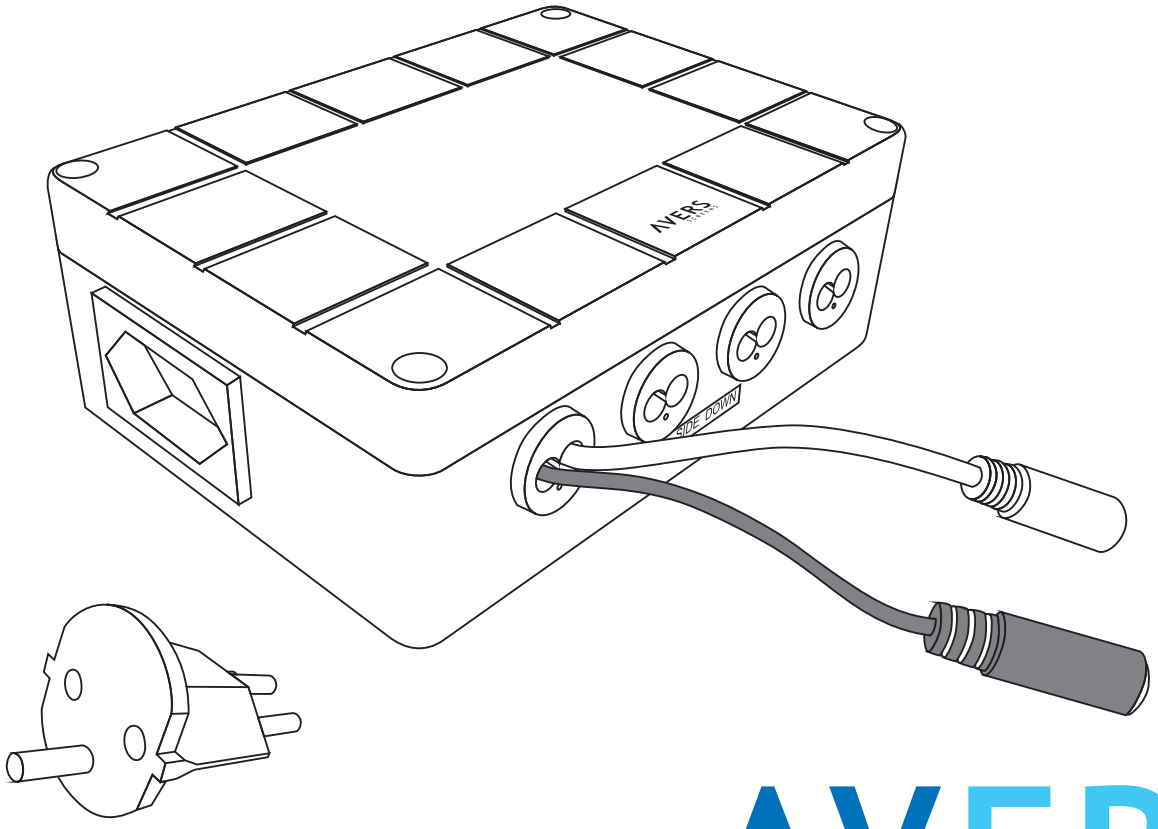
BETA - 2 device control system trigered by projector power consumption



AVERS SCREENS

User's manual

CE

Read these instructions carefully before operating the screen.

Dear Customer,

Thank you very much for the purchase of our product. The manual booklet contains all operation information you may require to install properly and operate the radio remote control system. We hope it will help you to get the most enjoyment of your new control system. Enjoy time with the **Avers Screens** product.

SAFETY INFORMATION

NOTICE: Important safety information.

Follow the instructions described in the operating manual for safety reasons. After reading the manual, please store it in a safe place just in case you need it in the future.

NOTICE: THE DEVICE HAVE TO BE EARTHED.

WARNING:
1) Disconnect the device from the power supply if it will not be used within longer period of time.
2) Do not open the casing of the device in order to avoid possible electric shock. There are not any user operated parts inside the case of the screen. All service work can be done by Avers Authorized Service Center personnel only.

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1. SAFETY RULES

SAFETY INFORMATION

NOTICE: Important safety information. It is important for the safety of persons to follow these instructions. After reading the manual, please save it just in case of need in the future.

- Do not allow children to play with the remote control transmitter or fixed manual switch connected to the control system.
- Keep the remote control transmitter out of reach of children.

- Frequently examine the control system installation for imbalance and signs of wear or damage to cables. Do not use if repair or adjustment is necessary.
- Watch the moving screen and keep the people away until the screen is completely rolled in/out. It will help to avoid injuries caused with moving screen.
- All installation work should be carried out by the qualified technician.
- Improper installation can cause device damage or health breakdown.
- Do not do anything that may damage the power cables.
- Operation of the control system with damaged power cords can result with electric shock, electric short circuit and fire.
- Do not touch the power cables and the control unit with wet hands.
- Do not allow nor Control Unit nor Trigger Transmitter to flood with water, it can result with electric shock, electric short circuit and fire.
- Do not apply any metallic objects into the Trigger Transmitter though the venting holes, it can result with electric shock, electric short circuit and control system damage.
- Always follow the instructions described in the operating manual.

1.1 Declaration of Conformity CE

AVERS
SCREENS

Manufacturer's Declaration of ConformityCE

AVERS Screens Sp. z o.o.
Under it's own responsibility declares:

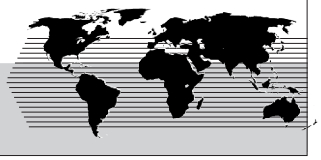
All screensand accessories mentioned below are manufactured in Polandaccording to the essential safety requirements of Council Directive 98/79/WE

Control systems: ALFA TRIGGER, WIRELESS ALFA TRIGGER
ALFA IR, ALFA RADIO, BETA, DELTA

The above mentioned products are in conformity with the European Directives
and especially with the norms:

PN-EN 55014-1:2007(U)
PN-EN 50082-1:1997
PN-EN 60335-1:2004
PN-EN 61000-3-2:2007
PN-EN 61000-3-3:1997
IEC 60335-2-97:2007

CE

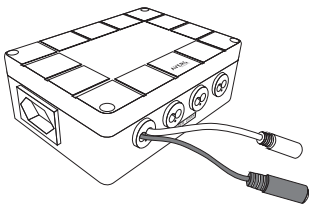


2. Product specification

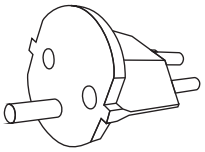
BETA control system is dedicated to control Avers electric projection screens, projector lifts Avers Prolift, electric courtain systems Avers Virgo and other electric appliances controlled by applying power supply to control terminals. The control system was designed for fixed installation at projection systems for business presentations and/or home cinema applications. Electric devices connected to BETA system are controlled automatically based on the attached projector power consumption analysis. In case of projector malfunction manual control is possible as an option. The Control Unit can be used in slave mode as controller with external control systems (intelligent building installations). BETA control system is equipped with accessories allowing to transmit IR control signals send from the projectors remote transmitter to the projector installed behind an IR barrier (like ceiling, wall, etc). This feature sloves common problem to control remotely projector installed at the projector lift.

2.1 Contents of packaging

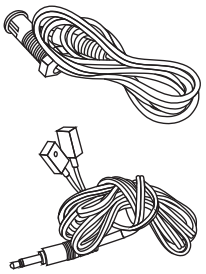
Please, check carefully if any physical damage of the control system has not happen during transportation. Inspect the package for all accessories presented below:



Control unit x 1



Wall plug converter x 1



x 2

x1

IR accessories

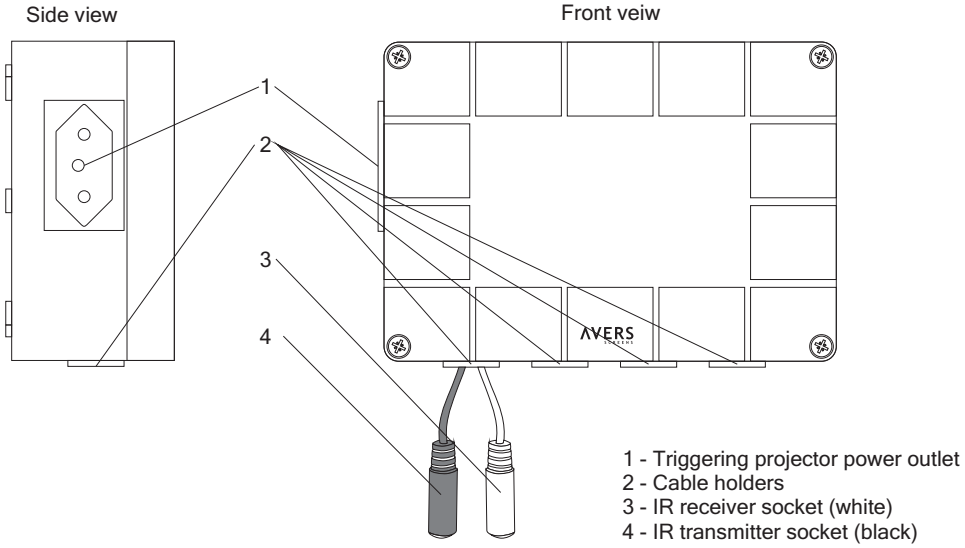
Operation manual x 1

2.2 Technical Data

Control Unit:
Dimensions: 153 x 108 x 58 mm
Supply voltage: 220-240V, AC 50Hz
Control votage: 220-240V, AC 50Hz
Max. control current: 1,5A

IR Transmitter/Receiver:
Dimensions: Ø13 x 40mm (2 x 13x8x5mm)
Connection cable length: 145cm

Programmable power consumption level triggering the control unit



Picture 1 Control Unit

3. Control system installation

3.1. Installation precautions

- Installation work should be carried out by a qualified technician in accordance with the instructions described below.
- Fixed installation of the control system should be done with use of the screws and anchors suitable for the walls/ceilings materials at the installation place and the genuine installation brackets delivered with the screen.

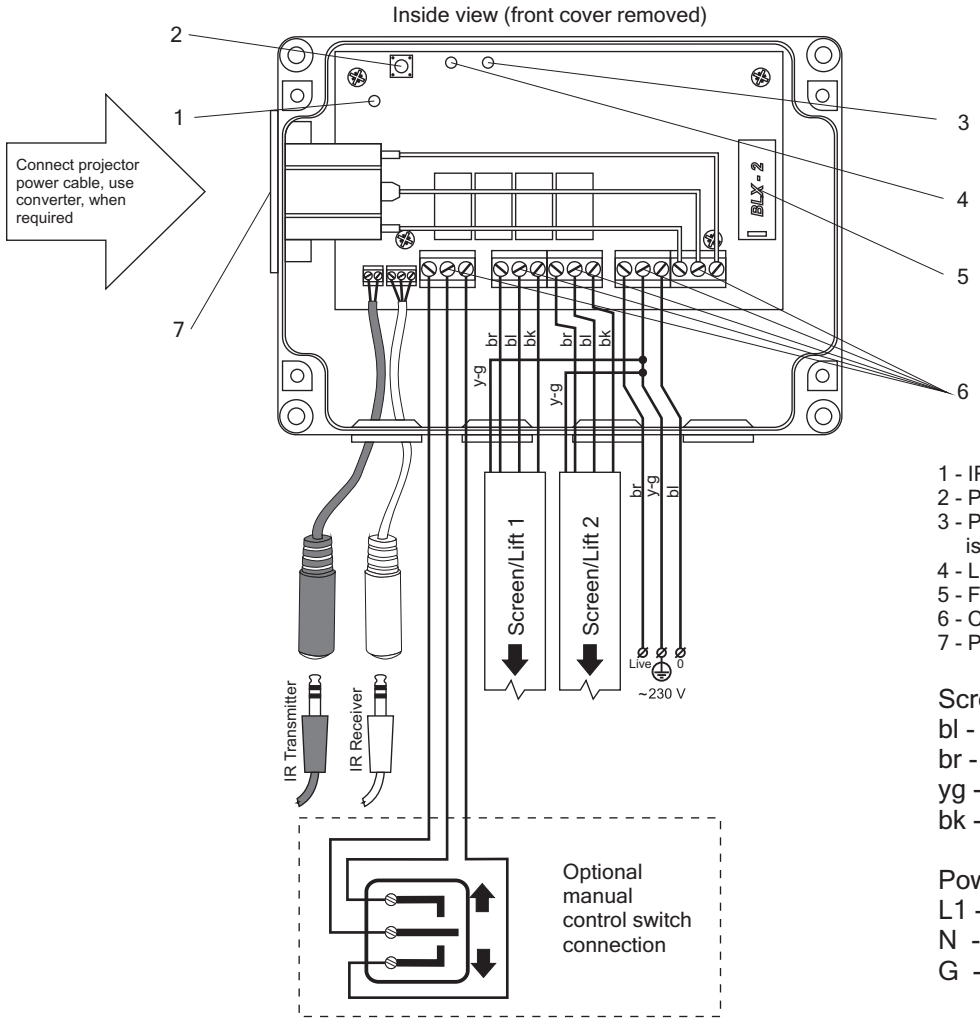
3.2. Control unit installation

- Appoint the location of the control unit fixing points (see Appendix).
- Drill holes for the fixing anchors.
- Un tight 2 plastic screws and remove the front cover of Control Unit.
- Fix the control unit with anchors.

3.3 Electric installation

- Lead out the power cables to the place of Control Unit installation.
- Control Unit power line should be fused with 3,15A fuse.
- Switch off the screen power line during installation work.
- Manual wall steering switch should be installed at the place meeting the following conditions:
  a) installation150-180cm above the floor level,
  b) the screen should be visible by the wall switch operator during the screen operation,
  c) wall switch operator cannot stay in reach of any of the screen's moving parts during the screen operation.
- Connect screen cable to the control terminal as shown at the Picture 3.
- Optionally connect external control system or manual wall switch to the manual control terminal as shown at the Picture 3.
- Connect power supply cable to the power supply terminal as shown at the Picture 3.
- Apply front cover of and fix it with plastic screws.
- Apply projector power cord wall plug to the power outlet located at the trigger signal transmitter
- Connect Trigger Transmitter to the wall outlet you plan to connect projector power cord.

ATTENTION: Electric installation work should be carried out by a certified electrician.



1 - IR activity indicator (blinks when active)
2 - P1 programming button
3 - Power indicator (lights red when power is connected)
4 - LED1programming indicator
5 - Fuse
6 - Connecting Terimnals
7 - Projector power outlet

Screen/Lift cable
bl - blue (common)
br - brown (rolling up)
yg - yellow-green (protective)
bk - black (rolling down)

Power cable
L1 - brown (live)
N - blue (neutral)
G - yellow-green (protective)

Picture 2 BETA Control Unit electric installation

!!! NOTICE !!! Do not connect any any electric devices except multimedia projector to the power outlet located at the control unit. Maximum projector power consumption 600W.

3.4 Control system programming

Just after first installation of the control system and each time the projector is replaced with an other unit BETA control system must be programmed. Projector power consumption level required to trigger the control system must be recognized and memorized to provide reliable system operation:

a) Attach all devices to the BETA control unit (see Picture 2).
b) Apply power to the BETA control unit (Power indicator will light continuous red)
c) Press P1 programm button (LED1 indicator will light continuous green)

d) Switch on the projector with “Power ON” button located at the projector body or it’s remote transmiter.
e) LED1 indicator will blink 3 times and douse to confirm the power consumption level was recognized and memorized.

!!!CAUTION!!!
Programming procedure must be performed each time attached projector is replaced with an other unit/model

Beta control system is ready for usa as soon as the programming procedure is finished.

4. Control system operation

Avers BETA control system provides automatic and/or manual control of 2 electric devices for example Avers projection screen (models without integrated control system) and Avers Prolift projector lift.

4.1 Automatic operation

- Press “POWER” button at the projector’s remote control transmitter or at the projector itself, projector lamp will light-on. BETA control system will switch on motors of connected devices (i.e. projection screen and projector lift). Motors will stop automatically as soon as the bottom stop points will be reached.
- Press “POWER” button at the projector’s remote control transmitter or at the projector itself, projector lamp will light off. BETA control system will switch on motors of connected devices (i.e. projection screen and projector lift). Motors will stop automatically as soon as the upper stop points will be reached.

4.2 Manual operation

Manual control of devices conected to the BETA control system is possible with the optional wall control switch (original screen/lift wall control switch) connected to the dedicated termina.

- Push button “▼”, BETA control system will switch on motors of connected devices (i.e. projection screen and projector lift). Motors will stop automatically as soon as the bottom stop points will be reached.
- Push button “▲”, BETA control system will switch on motors of connected devices (i.e. projection screen and projector lift). Motors will stop automatically as soon as the upper stop points will be reached.

4.2 Control system maintenance

BETA control system do not require periodical service maintenance. Clean dust from the control unit case with dry soft cloths. If needed use moisturized cloth with soft detergent to remove stains. After stain removal dry the cleaned surface with cloth carefully.

4.3 Before calling the service

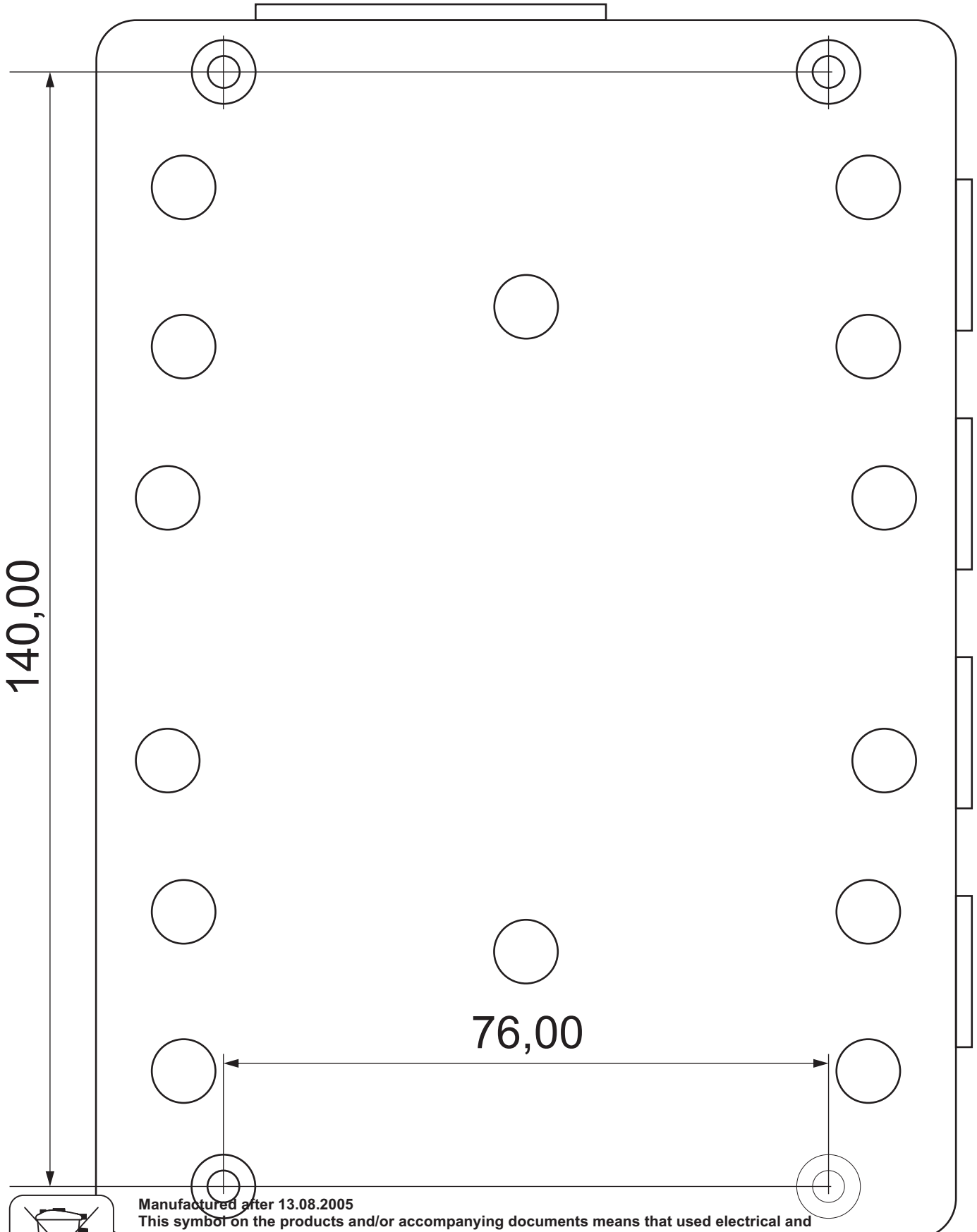
Symptoms	Reasons	Remedy
Control system do not react to projector “Power On” action	Projector power cord is not plugged into the BETA power outlet.	Plug in projector power cable to the BETA power outlet.
	Power consumption from the outlet at the Trigger Transmitter is too low.	Re-programm BETA control system with the projector.

At other cases please contact service.

5. Warranty conditions

1) Avers control system warranty period is 24 months from the date of purchase confirmed with the original purchase invoice.
3) Surety commits to fix free of charge any failures (component or production defects) of the product which appear during warranty period.
4) Warranty exclusions :
   a) the failures caused by the usage of the control system against the rules described in operation manual,
   b) the failures caused by improper storage or transportation,
   c) mechanical defects of the control system other than mentioned at point 3),
   d) damages caused with overvoltage at power network,
   e) deinstallation and reinstallation of the screen.
5) Avers Screens Service department will remove all defects within 21 days after receiving the demaged product.
6) Warranty claims should be passed to the screen supplier (dealer).

!!! CAUTION !!! Check the holes printed at the template match the location of fixing points at the control unit before you use it.



Manufactured after 13.08.2005
This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. Disposing of this product correctly will help to save valuable resources and prevent any potentialnegative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.

Wersja 20.05.2012